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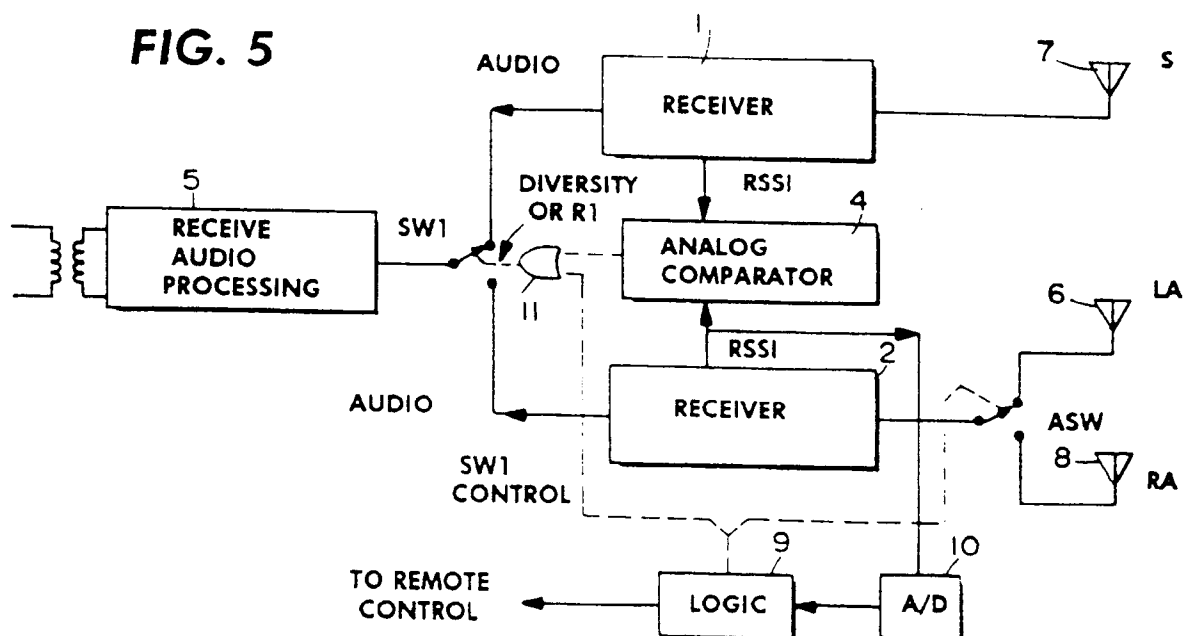
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(54) **Adaptive diversity equipment arrangement for cellular mobile telephone systems.**

(57) A method and apparatus utilizing adaptive diversity in the base station of a cellular telephone system where during a diversity period the signal strengths of two receivers (1,2) assigned to three or more sectors are continuously compared and the stronger audio output signal is switched to be used in the station signal processing circuits and where during non-diversity, relatively short time periods, samples of adjacent sectors signal strengths are measured and compared so that the adjacent sector with the strongest signal is applied to one receiver while the other receiver supplies the central sector to the other receiver for transmission to the station audio processor (5).

FIG. 5





European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 91 30 3508

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-4 704 734 (MENICH ET AL.) * column 2, line 63 - column 3, line 12 * * column 6, line 39 - line 68 * * column 8, line 25 - line 39 * * column 11, line 19 - column 12, line 16 * * column 13, line 60 - column 14, line 21 * * figures 11,12,17,21 * ---	1,2,5-7, 17,20	H04B7/08
A	EP-A-0 227 458 (NEC) * abstract * * column 5, line 13 - line 47 * * figure 5 * -----	1,2,6, 10,16	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5) H04B H04Q H04L
Place of search THE HAGUE		Date of completion of the search 22 SEPTEMBER 1992	Examiner LYDON M.C.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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